Ans: Dec 9th 1843
Ans July 18th 1846

Quincy (Fla) November 22. 1843

My Dear Sir

On my return home from a Summers tour in the Northern States I had the pleasure of finding your acceptable letter of the 26th ultimo giving the pleasing intelligence of a parcel of plants from Mr. Lapham & an offer of exchange with yourself. For some time past I have had this subject in contemplation & have delayed writing to you only from the fear that you are already supplied with my plants from other correspondents or that you did not wish them

I accede to your overture the more eagerly from the fact that I have scarcely a plant from the region West of the Mississippi in my Herbarium and that you have been so fortunate as to detect so many interesting specimens in your immedi=ate neighborhood. For your guidance in making a selection for me I will merely state that any plants peculiar to ~~the~~ Louisiana Texas Arkansas or Missouri or from the region west or north will be highly valuable. My favorite Order is the Cyperaceæ

On my part I shall be able to present you with a nearly complete set of the plants of my neighborhood & several from the White Hills & Key West

which were collected during my ramble last Summer
From the latter place I have several species of Euphorbia
which may interest you just at this time but of the
other genera which you name I regret to say I have but
few species and those perhaps the least interesting

It will hardly be necessary to state to you that I am
too far south for the Aster proper but of Solidago I have
some valuable specimens Of Cuscuta we have at least
one which however I have never examined supposing it
to be the old common species but your marvellous
announcement of some six new species has astonished
the whole fraternity!

If you have a specimen of that Baptisia
noticed in the Flora under my B. megacarpa I
should be delighted to receive it or any other species of
that noble genus from your section My Herbarium
is also sadly deficient in the larger genera of Compositæ
from the fact that comparatively few of the species are
found here & I am mainly dependent on my cor-
=respondents for them Of course I should be glad of
any of them from you

As I have no agency in New Orleans it will
be necessary for you to state what disposition I shall
make of my package when it is completed in order
that it may reach you in safety & with dispatch

In the hope of a continuation of your correspondence
I remain
Yours Sincerely
A. W. Chapman

Addrep Dr. A. W. Chapman
Quincy
Florida
Package
Care of
C. H. Austin Esqr Apalachicola
or Brodie & Rowles Port Leon

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MISSOURI BOTANICAL GARDEN

useful

GEORGE ENGELMANN PAPERS
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Rec^d Sept. 9^th
Ans Octob 17

Apalachicola Aug 22 d 1846

My dear Sir

It gives me much pleasure to acknowledge the receipt of your favor of the 18^th ultimo which came to hand by last weeks mail For some reason unknown to me it was a very long time on the way I am pleased to learn that you have put up for me another package of your choice plants notwithstanding I am already indebted to you for the choice specimens which you kindly sent me three years ago — I am now able to inform you that there is in New Orleans or Louisville or at some intermediate point a package of Florida plants for you confided to the care of Prof. Short which I hope will reach you in safety

This package has been ready for you for more than two years & I have retained it in the hope of finding some secure way of sending it to you — I have lost so many of these "Sevis labors" through the carelessness of Ship Masters & Steam Boat agents that I deem packages thrown away when confided to their care

It is a little singular that having been more or less employed in the investigation of our native plants for nearly Twenty years I should never have detected a single specimen of Chara — I know nothing of the genus never having seen a specimen The same remark applies to Isoetes — There is an abundance of Cusculta around this city which will probably prove to be your C. neuropetala as the Hab. (St Marks) in Rugels collection

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is on the coast some 50-60 miles east of this city - They are now coming into flower & it will be my endeavor to collect a quantity in fl & fr. which will enable you to decide the point - Have you a spare copy of your paper on these plants. I notice that the species here prefer the Magnolia glauca & Pinus caricgatus & they twine around the stems of these plants in ridges as large as my little finger - The tube is cylindrical & longer than the lobes - no glands on the calix or cor: - If I am not mistaken you will find the Quincy variety in the package now on the way to you -

My time is so fully occupied in the duties of my profession that few opportunities occur to collect plants still I have done a little in the way of exchanging & I find the vicinity of this unusually rich in interesting plants & several have been de= =tected which appear to be new - The Sarracenia Drummondi, Croom is profusely abundant & was first detected here by Drum^d in the Spring of '35. It is the handsomest of our species - The Baptisia from Arkansas must be different from mine as the racemes in the latter are very short Lake "Jamonia" is in the northern part of Middle Florida near the Georgia line 20-30 miles N.E. from Tallahasee - St. Marks is the Port of Tallahasee situated on a river of that name 20 miles South - The first year of Mr Ruples operations here ~~here~~ was spent in exploring Middle Florida having Tallahasee as his Head quarters Last year he was in the Southern part mostly near Tampa Bay - I am not informed of his present whereabouts - I am indebted to you for a copy of Lindheimer's plants for which please accept my thanks - I really hope that ~~in~~ among the plants from Texas I shall find the species of Xyris enumerated in the Catalogue I am looking into this Genus with a view of publishing my observations on the Florida species & if I had the materials I would extend the notice so as to embrace an account of all the N.A. species

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ST. LOUIS

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They are very abundant in this State & with the cursory view which I have thus far given them I am induced to believe we have 8 or 10 species in the immediate vicinity of this city You know that they are unfit for examination except in Situ the flowers are so tender

About a year ago I published a List of Florida plants in the Louisville Journal with a request to Prof. Short that he would take the Trouble to forward copies to my correspondents Did you receive one It presents a view of the Botany of Middle Florida so far as my observation extends & no plant was admitted which I had not examined

If at any time duplicates of plants from the Northern or Western Territories Oregon or Rocky Mts. reach you & you cannot make a better disposition of them I should be chagrined to receive them although in return I can only furnish you Florida plants - I can supply you with the greater prospect of success inasmuch as from your position you are conversant with all Western expeditions

The only plants I possess from these remote regions are Gillia & Chrysis both cultivated specimens from New York

But I am taxing your patience It remains for me to thank you for this second offering in the way of exchange & to regret that you have not received an earlier manifestation of my desire to continue your interesting correspondence

I remain

Yours Sincerely

A. W. Chapman

Dr. Geo. Englemann

P.S. The package was forwarded to the care of Tetley, Lonsdale & Gray New Orleans addressed to Dr. Short. & contains a fascic. for the Dr Mr Mead & yourself

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Myosotis macrosperma

7

George Engelmann,
St. Louis,
Missouri.

APR 25 1875
HERBARIUM

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Rec'd April 25th
Ans Aug 29

Apalachicola April 9. 1849

My Dr. Sir

I believe I have been long your debtor in the way of correspondence which has been in a great measure caused by my inability to pursue my Botanical labors with the zeal I was formerly accustomed to do And at present I have very little of interest to communicate to you but addrip you principally to thank you for several nice papers on Botanical subjects for which as I suppose (judging from the superscription of the packages) I am indebted to you kindrip I am more especially reminded of this by the receipt of a days mail of a splendid paper on the plants of New Mexico - the joint work of yourself & Dr. Gray. which I have looked over with great pleasure But I am so far behind the age in our Science that I cannot appreciate duly all the discoveries which are continually being made by our Western explorers. The duties of a Governmental Office during the Winter so fully occupy my time that no space is left for Botany & the infirm State of my constitution will not admit of exposure to a Southern sun in the Summer & all that I now do is to nibble a little around this city & till I find some choice things of which I have packed for you a considerable package. nearly ready to send forward to N Orleans I will mention some of them - a thrub intermediate between

Geo Engelmann, M.D.
St. Louis,
Missouri.

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Rec'd Dec 11th
Ans Dec 20

Apalachicola Nov 24. 1859

Dr. Geo. Engelman.

My dear Sir:

Just before leaving Cambridge for this place, our good friend, Dr Gray, handed me your article on Monanthochloë, and I have just received your very elaborate paper on Cuscutineae, for both of which I am greatly obliged. What a laborious and persevering student you must be! and what a vast amount of research the latter must have demanded!

Whatever estimate others may place upon your labors, I know not, but please accept my humble servant's grateful acknowledgment.

I know almost nothing of Cuscuta, and in my flora merely adopt your characters for such species as you informed me were to be found in my beat. I once thought of asking you (and Gray wonders I did not) to do up these, as also the Sagittaria and Euphorbia, for me, but I feared it would scarcely be proper to tax your time and good nature that far.

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As to your "Munanthochloë", I placed it in Chlorideae, as you suggest. It is such a reduced thing that all we can do is merely to guess at its affinities. The bony stigmas, the absence of glumes, and some other peculiarities, might suggest some affinity to Oryzeae, especially to Hydrochloa (Zizaniæ) fluitans, which has the spillery and mostly unisexual spikes reduced to 3 or 4 flowers. Can your spikelet be viewed in the light of a contracted or abbreviated spike? A new genus of this tribe turns up from South Alabama, with monœcious flowers, indeed, but each kind is borne on a separate culm, but from the same root.

I have alluded to my work on Southern Botany, which is now going through the press at Cambridge. This being my first effort at authorship, I was not prepared to encounter the perplexities and task-work of proof reading, but I soon yielded with all the resignation I could command. On the whole I had an excellent time with our good friend Gray, and the best part of my work is to be attributed to his advice. He writes, under date of the 11th inst, that the last proofs reach to cyperus p 570; so they are nearly through.

I sent in the Green House two pots of Opuntia pes-corni, which I forwarded soon after your departure for Europe, two or three years ago. They do not grow, and are scarcely larger than when they left my hands. I think the Gardener keeps them too wet. Did you get any of the plants?

But enough of this gossip. Although I no longer collect or exchange plants, I shall at all times be pleased to receive your communications and

Remain, ever, Yours faithfully,

A. W. Chapman

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Rec'd Aug 17th
Ans Sept 10

Apalachicola Aug 8./68

Dear Sir!

I regret having de-
layed a reply to your favor
of Dec last until this late hour
but matters connected with
the printing and issuing of
my "Flora" have so fully
engrossed my time that I
had little left for anything
else, Some time last Spring
I sent you a few joints of
Opuntia Tes-Corii by mail
and hope they reached you
safely. I also requested Dr Gray
to send you a copy of the
"Flora" from the Office.

Enclosed you will find fragments
of three of my Euphorbs. The
E.E. mirabilis & Flindersa are
reduced in my Herb to single
specimens neither of which

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exhibit fruit. With the plant found by Prof. Wood at St. Mauks I am wholly unacquainted, although that locality is only 30 miles east of this city. Still many of our plants are restricted to very narrow limits.

I see my E. discoidalis confounded in Herb. Gray with E. Canbyi, Engl. which it certainly greatly resembles but I think distinct. However I am not at all tenacious in the matter if you do not hold to this opinion.

Hoping that the enclosed fragments will afford you needed assistance in your labors I remain

Very Truly Yours

A. W. Chapman

Dr Engelmann

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Rec'd Nov. 21st
Ans Nov 22nd

Shelbiana
Nov 19. 1860

Dr Engelmann

I have just found the
Yucca & Cactus Envelope
which you were pleased
to send me — The one
I received was empty
& I have
Ever
Yours &c
Geo Hayden

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Rec'd April 7
Ans Apl 10/30

Apalachicola May 19/66

Dear Sir.

I am in receipt of your interesting favor of the 18th ult. Thank you. I have had and am just recovering from a severe spell of sickness and your letter was just in time and helped me more than all the Doctor's stuff — Now for your queries. The Isoetes I sent you was gathered some ten years ago in a clear pool of shallow water near Brandonna Fla Florida. The formation there is Limestone and the streams are mostly subterranean. Where they empty into larger rivers they burst out of some cliff or bank and in this instance formed a shallow basin (say one foot deep) ~~befor~~ and a rod in diameter. This basin was covered with Isoetes all submerged except where the tips of the leaves floated on the surface

But the most remarkable circumstance connected with the plant is that in 1837–1840 when I resided in Marianna there was not a vestige of it in that pool. I often visited it in the warm summer days to enjoy the coolness of spot. and then it was a clear open pebbly pool of ~~clear~~ cold water. Where did it come from? The lake in which Rugel collected his I. flaccida is called Iamonia (I-a-mó-ni-a) Lake (not "Tamonia") & is in Middle Florida some 25 or 30 miles north of Tallahassee.

I fear I shall not be able this spring to solve your doubts about the Pine. I have not now the requisite strength and in our unsettled condition it is unsafe to go into the woods alone. Of Nuphar sagitt. I have but a single specimen in flower from Curtis — no petals on it. The sinuses of the leaves of N. advena here are I think usually closed, but I believe the sepals are 5. I have thought we may possibly have more than on species

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Nymphaea here but probably it runs into several forms according to locality.

Now we will talk of Juncus.

On reviewing J. scirpoides and allies I incline to your last opinion. When I was engaged on the "Flora" I well remember my hesitation to unite J. scirp & J. echinatus. Had I not overlooked the tiny stamens & styles of the former I think I should have kept them separate. At all events I agree to it now. I am almost certain that my J. echinatus and Elliotii are the same. His habitat & mine are identical: His J. polycephalus & mine are the same unless the flowers & seeds shall be found to differ. I know of only one species with gladiate equitant leaves and this varies much in the width of the leaves (some being slightly flattened) and size of the heads. I should think your M.S. "J. gladiatus" viz Echinatus var gladiatus a form of it if it has the loose divaricate

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cyme of the typical form and the scapes seem to be 1-nerved. but my eyes and glass are poor and I will not be positive. Of course I am not able to dissect these things much and I find my specimens woefully deficient in ripe seeds upon which as a character I place great reliance. But you who lead in Science must be careful in multiplying species and have good and permanent ground for it leaving variables as to make species f.
I feel disposed to make at least three species out of these Rushes viz

1. J. scirpoides, Lam. (as I suppose) Kunth. III. p 340. (doubtless) Chapm! (the variety.) Engelm in litt.
J. macrostemon, Gay.

2. J. echinatus, Ell. (doubtless) Kunth, (probably) Chapm! H. sub J. scirpoides. Engelm in litt. = J. polycephalus. Michx in part. J. megacephalus, Curtis! Pl. Willmington, in Bost. Journ Nat. Hist.

3. J. polycephalus Michx. in part, Ell. Chapm! Flora. Engelm. in litt an J. gladiatus. Engelm in litt??
What a load of quasi species & varieties this poor thing has to shoulder. I have no seeds.

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Kunth suggest that it should come under I. echinatus. Meyer unites it with I. Paradoxus. This wont do. I must examine the roots of these plants. The last (No 3) is truly aquatic in ponds & streams 3° high, tender often falling into the water by its own weight The other two grow mostly in low sandy places are rigidly erect the heads turning brown at & after maturity

The number of stamens in I. candatus so far as I have examined varies as you discribe them. Strange I had not noticed this. I have not Michaux Where did he get his I. acuminatus? I always considered Gray's plant as the true one and therefrom separated Elliotts from it. But is not Elliotts (my I. Elliottii) and Michaux's the same thing at last. It agrees with Lahaupi's discription in Kunth very well excepting ~~the~~ "sepalis linear-lanceolatis"

My reasons for admitting I. acuminatus (I. Canadensis, Gay.) were that Curtis thought he found it in S. Car. and in passing through

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Georgia at a Station where the Cars
stopped I am almost certain I
saw the identical thing growing in a
ditch beside the track I was so near
it as to see the expanded prismatic cap-
sule. I think it was that plant but it
might have been introduced there
But as I have never examined a
Southern specimen you may take this
statement for what it is worth
I will here state that I have never
in this country met with but one
of this group with flat or fluttering
leaves and these I refer to I polygala.

You ask for plants. I have a
pretty full collection of duplicates
on hand from this vicinity the
gatherings of the last four years
during which I collected extensively
Any ~~other~~ of these are at your
service, if you will designate
any House in New Orleans to
which I could send a package

The Juncí of this neighborhood
are J. J. effusus (tridonus!), setaceus,
maritimus, tenuis (seemingly intro-
duced) dichotomus, scirpoides, echin-
atus, polycephalus, Elliottii, caudatus,
abortivus, marginatus, & var biflorus,
& bufonius (introduced). Cephalusys.
No Luzula.

For future reference I give you the strength
of my Herbarium

J. polycephalus. narrow & wide leaf.
scirpoides, Fla.
echinatus Fla & N. Car. (Curtis)
caudatus. Florida
"subverticillas" Pa from Short } probably
"polycephalus" Ill. " mead } debilis
paradoxus. Vt. Ct. (Eaton)
" acuminatus" Pa (Jackson) like dibilis-erect.
militaris Wenham Lake Oakes- in bud
" n. sp.? abundant around Boston" fragments in bud
looks like Balticus
Bufonius
nodosus. from Tor.! Reido Lake. N & L
dichotomus Florida
tenuis " & North
Gerardi Olney. Oakes
Greenii " "
bulbosus Ct. (Eaton)
" Tor.! Long Island — looks like Gerardi
trifidus. White mountains
Stygius Perch Lake Waterburn Crawe
lamprocarpus. Pon Yan Sartwell-from Olney
acuminatus (Canadensis) Vt.
Elliottii Florida
Conradi Canada & N. England
abortivus, Fla.

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I. marginatus, Northern with several heads
" Fla. with two larger heads
" " with numerous large heads —
a late form
" N. Car. "I. cylindricus" Curtis — a head
in litt.
marginatus var biflorus Fla. heads 2-5-fld
Balticus Lapham. Oaks
filiformis. Vt. N.H. White Mts.
setaceus. Fla.
maritimus. Fla
effusus. The cymes here are more
diffuse

There are also scraps & fragments which are thrown in and may help out.

Now then dont hesitate to call for any information in my power to give you.

I have nothing more to say except that I remain

Yours sincerely,

C. W. Chapman

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Rec'd June 3d
Ans same day

Asa Gray

Athaeachmeola May 25, 59

Dear Sir

Yours of the 6th inst. is received
I am addicted Officially & botanically
by Dr Saurman of Philadelphia
and since the receipt of your
letter we have gathered plenty of Juncus Elliottii and 75 specimens of J. scirp. var. gladiatus — all we can find at present. It is too late for the flowers of J. Raimerianus, but you are right in your surmise regarding its polygamo-dioicious character. I intend to inclose a staminate flower with its large anthers and abortive pistil.

I inclose my best specimen of Scirpus flac. or Chap. and also one I gathered in Lake Dunmore Vermont in 1859, which I want to know what you think of. I suppose it to be S. lacustris.

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I intend to supply you with
all the Sunci you want but some
of them are not yet in flower
in the mean time tell me
how to send. I can easily send
via New Orleans or if you
would rather pay the freight by
Express via Columbus Georgia

Yours truly,

J. D. Chapman

Mr Englemann

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Rec May 4th
Answered Dec

Apalachicola April 24/67

My dear Dr. Engelmann

I was just now thinking whether I could be of any assistance to you regarding your labors on our Junci or is it too late.

Ravenel tells me he has collected for you and that locality will I hope supply you with most of our Southern kinds. I have not the strength to do much but am desirous to do what I can for we all are interested in your work

My health is better than when I last saw you but still quite poorly I shall have assistance shortly and then will have more leisure

Please let me hear from you & tell me what you want

Yours
A W Chapman

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Rec'd Dec 21st
Ans'd Dec 23d -

Alabama Dec. 6 '67
Postmark Columbus Ga Dec 7

My dear Doctor

At last I have put up all the Juncí I have been able to get together and shall start tomorrow to Columbus Geo where I shall put the package in the Express Office

The J. Raimannus is not complete : nothing but leaves & stigma. and I believe there are not full setts in some of the others — You want them

Habitats

1. J. Raimannus. Brackish or saline marshes, growing with. Paspalum vaginatum. Sagittaria falcata, Scirpus Olneyi, Cladium effusum. &c. March, in fruit May.

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2. I. Elliottii — In fruit in June
Wet sandy places with
I. I. bufonius & marginatus, Cyperus
compressus, Panicum gibbum, Eleocharis
palustris. &c.

3. I. caudatus Sept? ~~Oct.~~ fruiting in Nov or Dec
Bogs with
Sarracenia Drummondi & Psyllacina
Eriocaulon decangulare, Myrica
Rhynchospora &c 20 sp

4. I. gladiatus — June, fruiting in August.
Bays & ponds with
Nymphaea odorat. Cerasperis aurea,
Orontium aquaticum, Hypericum fimbriatum
Canna Americana &c. 60

5 I. abditivus, flowers in Sept. in wet pine woods
and ditches with Rhynchospora
Panicum amcps Juncus repens &
swamp grasses generally 60

6 I. echinatus, July
Sandy shores of the
Gulf with, Samolus ebracteatus,
Scirpus pungens, Spiranthes tortilis,
Plantisia juncea &c 40

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Keep me posted of your wants
and either I or Dr Saurman
will attend to them

In haste

Yours truly

A. V. Chapman

Dr Engelmann
St Louis

P.S. I have just got your Photographs
It is Capital - Thank you

In my haste in writing the above I neglected to say that the Proofs you mailed came safely and for the moment puzzled me thinking that they belonged

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& my "Hen" not knowing that
they had "stolen my livery" but
I am glad the two pets are alike
at least in this particular
So you have the Isoetes Dyeri li—
King. How the obscure or neglected
things repay examination. Dr Saur-
man has dredge our bayous for
them but thus far unsuccessfully

C

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Rec'd Aug 22
Ans Sept 5th

Ajuluchmodu Aug 14/6

My dear Doctor

I have yours of the 23d ult. & in packing up the Juncí on hand I find I have but one perfect set – tho I Elliottii. – I have the leaves & caudex of I. Kaumeriaues, (cánt get the fl. & fr until next Spring.) leaves and flowers of I pdus. var gladiatus, (in fruit now.) I. abortivus is now about to flower & I caudatus just budding.

Can you wait until I can get these ~~and~~ (all except I Raumeriaues) in full sets? Please say if I shall send on what I have –

Yours truly C H Thaxter

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Rec'd Jan 8th
Ans Jan 21

Alafaschicola

December 28/67

My dear Dodo

I'm much hurried but will acknowledge your favors of the 9th & 13th inst The first contained a fragment of Solidago pauciflosculosa and (I am inclined to think) Siphanychia erecta although it is pubescent and Dr. Saurman says the sepals appear separate & the base & the thing is too young to show the radicles It looks exactly that plant.

The Enocaulon must be E Septangulare strange that it should turn up so far South. Possibly it may prove E. Ravenelii. I cannot now get time to examine it

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I went up to Columbus about the
17th inst carrying with me the
Package of Grass which I
supposed taking receipt for
your payment and enclosing it
in a letter to you of that date
Hope you have it before this
I dont know if I shall ever
do anything more with the Flora
but if you find anything new in
Hellgard collections please let me
know

Yours
W Chapin

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN HERBARIUM

Rec'd Jan 13th
Ans Jan 21

Apalachicola, Jany 1st 1868

Correspondence

My dear Doctor

Yours of the 28th ult. is at hand. I am glad the Fungi have reached you. We will endeavor to get all the other matters settled satisfactorily by the time of your return from Europe.

As to Lemna our still waters are mantled with it in early spring but I do not remember to have observed but one form which I took to be L. minor, of variable size, and also in deeper water L. polyrhiza.

As to Vitis, I may as well confess at once that I know almost nothing about them. What I do know is as follows

V. bipinnata. has tendrils, like the others and the petals are not always "united at the apex"

V. acida is quite like the last in habit. It all falls in pieces in drying

The print in my Flora was taken from Swartz I suppose as I have none

V. incisa - To this I have nothing to say in addition to the descrip "in Flora"

V. indivisa, says Dr Curtis, does not grow in North Carolina.

V. Labrusca, has not been seen in Florida until Dr Sauvman brought in a branch which shared the fears of that species. I have seen no southern forms south of North Carolina.

V. Caribaea. This I saw only in Herb Gray (Ruyel, Florida) As well as I can remember it was much like V. Labrusca exapt that the leaves were

smaller and thicker and the fruit smaller (perhaps not fully grown) which is not essential in this genus I think — With my present knowledge of these species I suspect that this may be a form of V. Labruscæ.

V. æstivalis What I take to be this species & is a high-ground one the stems sometimes nearly as thick as my arm and climbing to the top of lofty trees, The peduncles are long and the fruit about as large as a large Marrowfat Pea & very dense

V. cordifolia — Gray doubted this, but I do not see what else it can be. The fruit is not abundant and about as large as the last.

V. vulpina which no one need mistake is a very variable thing as I will know (Then why not the others?) The teeth are "glabernimi" or pubescent, large or small, (comparatives) finely or coursely serate, with the sinus open or closed, or rather obtuse or acute, while the fruit varies from a pea to a crab-apple in size and is either very palatable or absolutely abominable to the taste I may, in this connection, state that this stem of this species in deep shades throws out from quite a distance from the ground long aerial roots in the form of thick twine or a whip-thong. — A closer examination than I have ever given these plants may reveal characters which will enable us to settle them finally. So much for them now

Thalesia teretrium

I enclose a plant of which none of us know any thing or perhaps ever will as it seems to have disappeared from its original locality. It grows in salt water & has no fl. nor fr. I found it while a

prisoner during the late war. Since then I have made unsuccessful search for it.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

I am rather sorry you are about leaving us for so long a time but as you will go may I ask one thing to do for me and which I fear will be asking too much. It is this – If I put up in a package and do [illegible] to go in your pocket a single specimen of my paniculate flowering Panicums (the P. nitidum group) with whatever other forms you may have, will you compare them with the species of European author whose Herbaria you may have the leisure to consult and bring away whatever specimens or fragments may be obtained which will go to elucidate our own Especially the species of Kunth & Michaux. As to the species of other countries perhaps some European botanist, rich in these grasses, would be pleased to exchange with me. Perhaps I may never like to accomplish any thing about these plants but at present they interest me.

Again – In a former letter you spoke of having many duplicates of Texas and California plants, a set of which you wished to send me. Hitherto I have only wished for East of Mississippi plants and I have very few west of that river – Now if you have any one at your elbow who would take upon himself the drudgery of putting them up I would like to receive them by Express, via Columbus, Georgia, but if you have this to do I would prefer you would not do it.

I wrote you a hasty note by last mail (our mail is semi-weekly) about two plants enclosed in your previous letter – One was a fragment

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of Solidago pauciflosculosa, and the other notwithstanding its pubescence and sepals (not ex parvis) cleft to the base belongs I must think to Silphonychia cactus S. H. - In aspect it is that exactly. However, Silphonychia can scarcely be any more than a section of Parmychia.

I mean to send Dr Saunman to-morrow to see if Juncus caudatus is not now in good fruit.

Sending you the compliments of the season,

I remain very truly Yours

A. W. Chapman

Leo Engelmann, M.D.
St Louis
Mo.

P. S. I enclose Sagittaria falcata-fruit
" natans "
" natans-lorata-fruit
Naias flexilis-fruit form &
Plantago ignota: Tulasne testudinum
Lemna minor,

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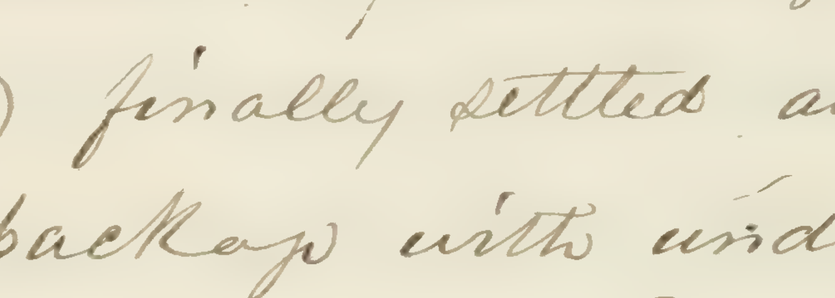
Rec'd Cambridge April 21
Ans — — — 24

Apalachicola April 3rd 68

My dear Doctor

Your of the 24th ultimo is received. It does'nt sound well to hear you say "given up my house — quit practise — a stranger in a hotel" It sounds more like the utterances of this latitude and these evil days and too much as if we were about losing you — The Lord I hope and trust are now (thanks to your energy and perseverence) finally settled and I await my packages with undisguised impatience — Your surmise about the polygamous Choctaw & Pawnee remains is fully sustained by recent examination and the



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Stems of the staminate panicle is yellow
even in flower and soon decays
I have preped upwards of a hundred
of both for you - flowering last of
March

I send by this mail Can of Dr Gray
a package of Panicum in a roll.
You can write in pencil on the cover
whatever you may find to say and
whatever number of Specimens there may
be in one sheet - one I desire for my own
Hbm with your notes and the others
are at your disposal - You must
remember that you are not to put your-
self to any extra inconvenience in this mat-
ter.

Well, my dear Sir, I shall greatly
miss you. and I have only
to wish a pleasant voyage and a
happy meeting with you for me

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friends and a study volume
[illegible]
[illegible]

Rev. Charles Lee Pratt.

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GRAY HERBARIUM
HARVARD UNIVERSITY
MISSOURI BOTANICAL GARDEN

Rec'd Oct 29
Ans Nov 7

Apalachicola Oct 22d 1873

Chapman

My dear Sir

Yes: I am here where I expect to remain during the coming winter & perhaps permanently. — Yes: I did get your paper on Yucca and thank you for your Kinûrus, Y. Y. aloifolia & filamentosa are the only species I have here, but I saw the gloriosa in the gardens of Jacksonville — never wild

On looking at Endlicher & comparing the maine plant with opposite (not digitate) leaves with the description of Halophila I think Ascherson is right. But we shall never know without the Fls & fr and I fear I shall not be able to obtain them for it seems to have disappeared from the locality where I first detected it — when a prisoner in the hands of the US marines in 1863!

Now for Zostera. I have no specimens,

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in my Herbarium nor ever have had. That is a botanical author for you with a vengeance. My account of the plant was gathered from the observations of others, but it (or what I had supposed to be it) is here for I have often seen the long ribbon like leaves floating in the Bay but I do not know in what part of it it grows. Upon the receipt of your letter I requested our oystermen to look out for it in their dreggings & to bring it to me whenever they bring it up No response yet, but I will get it for you if possible. In the meantime I dont want to treat you so shabbily as I have heretofore done and concluded to drop you a line and enclose an Insects which I found in the streams of the Hills of Georgia last Summer. It may be a common thing but I have never studied the species and dont know them

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I have been roving about for the
last three or four years, but I hope
to become fixed after the coming
winter and settle calmly down for
the short remnant of life in this
dear but dilapidated city. The
cussed carpet-baggers manage to
render a subsistence barely possible
but I will make the trial in the
hope, some day, that this government
will be relieved from radical New-
England rule, and these vampires
be choked off.

I will write you again and
in the mean time remain

Lovingly Yrs
Ch. F. W. Chapman

Dr Engelman,
St Louis,

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GEORGE ENGELMANN PAPERS

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Rec'd July 13th 1872
Ans'd Sept 15 1873

Rome, Ga. July 10, 1872

Yes, My dear Doctor, I deserve your letter of Dec 16. 1870 & ought to be hanged for not acknowledging it at once. I left Apalachicola about three years ago & have been afloat ever since. The letter followed me around & I believe reached me at Brunswick in this State about August last year but having access to my collection I put it in my satchel until I could get an opportunity to compare your notes with my specimens. But that time never came & your kind attention has all this time not even received a kind acknowledgment. I have greatly sinned I still hope to make the comparison & send you the result. & may be, since the dirtiest work in botany seems to have fallen to your lot (I mean M.) you will some day

take up the Panica & reduce them & order with your accustomed ability. I have so long been estranged from botany it is more than doubtful if I shall ever have the heart to take them up although material is ample. Of one thing I am convinced, however — that some four or five species are covered up under P. dichot. as now received, species that may be intelligibly characterized, but the correct nomenclature is sadly confused

Yucca — When my 'Flora' was published I knew, as belonging to Florida, only the two forms of Y. filamentosa & aloefolia, the glauca having been sent me by Dr Hale of La. In the phrase "leaves varying from linear to broad-lance, green or glaucous" (of Y. fil.) I had both forms in view considering them as not distinct species. The short broad & glaucous form grows on the dryest & most barren sands & I believe is not rare in such places in Florida. The fruit I do not remember to

have noticed, but the constriction of the other form to which you allude I thought was occasioned by the puncture of insects whose devestations are found in almost every capsule. indeed am I not correct in this? especially since faulty seeds in aloifolia produce the same result.

Y. aloifolia is very abundant along the whole coast of Florida & is frequently cultivated in yards, The rough margins of the leaves quickly distinguish it. This is all that I Know of Yucca in situ. A caulescent one with filamentose leaves (recurved) I never saw. I am sorry I have so little to impart.

I shall remain here several months & perhaps longer, but I have no abiding place nor can I expect to have while the Carpet-Baggers hold possession of our State Governments. I shall be glad to hear from you at all times & will not treat you so shabbily in the future (over!) Yours very truly A. W. Chapman

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I had a very pleasant interview with
our old friend Mr Ravenel last Sat-
urday who like myself is all broken
up & with nine!! children on his
hands. He showed me a twig of Pine
with true leaves & the sheathed cluster
(rudimentary branch) in their axils!

GEORGE ENGELMANN BOTANICAL GARDEN PAPERS

I think he said he had called your
attention to this interesting fact.

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Rec July 19[illegible]
Ans same day

[illegible]

[illegible]

[illegible]

of the expenses but I see them more in
[illegible] up again. If one or two of these
[illegible] your purpose, in the absence
[illegible] they are of your decision, but then
[illegible] may be of one sex. You better for main
[illegible] and tell me what to do. But they
[illegible] be taken up under pot.

The account of our Oaks is exceedingly
[illegible] negative and uncertain, no
[illegible] observation explained, that I can
[illegible] continue to say, [illegible] polish
[illegible] my 2. stellata var parviflora, which
[illegible] me very slightly at first, and now
[illegible] completely displeased about it, and will
[illegible] appear quite different.

I may say to you to the Keys I added to the
[illegible] I am about fifty species, some
[illegible] and others new. I include a species
[illegible] found on a Key at Caximba,
[illegible] not given a detailed report of
[illegible] and when I am cultivated
[illegible] may not be with me, I have not seen them
[illegible] record of this genus

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ENGELMANN HERBARIUM
GEORGE ENGELMANN PAPERS

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Rec June 5
Ans same day

Spartanburg May 27th 1844

My dear Engelm

I am in receipt of your favor of the 9th inst. Yes you are too late or rather too soon again in January for even trace of them in your But among my former gatherings I find a fragment which I enclose — some malformity which perhaps have left all their pollen or what is more probable The insects have made way with it The ovate anthers of the season are too much like ripe ones to be of much use but I will try this if I have any ripe ones any more

Yes Uniwood in Spartanburg the Summer seat of Capt in the Translating Germans. She desires me to tender it your and to you in the kindest regards.

Let me know if I can do anything more or you please.

Yours truly
Wm Ravenel

Dr Engelmann.
St Louis

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GEORGE ENGELMANN PAPERS

Rec March 1st

Engh. answering May 20th
Cat. Indus
Two years ago

Apalachicola July 22. 1878

Dear Dr Engelmann

I have yours of the 10th inst. and the accompanying pamphlets and am much obliged.

I am glad to find that you have our Oaks in some definable shape, at last. Q. buxifolia grows taller here than you suppose or than I (in Flora) stated. for I sometimes see it 15 or 20 feet high. All amentaceous forest trees must, and do, hybridize awfully. and I have never known our Pines or Oaks. Of our oaks, had I youth & leisure, I could supply you with all conceivable forms by a visit to the calcareous lands of Jackson Co in this State. My Q. castanea is probably yours, but with leaves & fls smaller. I never saw it except at the locality mentioned. Q. nigra & Catesbæi have all manner of leaf-forms between them — But the subject is a long one

Mr Gilman wrote me before came to this State I don't wonder he is discouraged — The fact is that the Florida craze is mostly a humbug. Now wile

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find Lycopod. cernuum in the next number of the "Gazette" found by me in 1870 at Waldo in a deep cut of the R. Road, and more recently Curtiss sends it from the vicinity of Jacksonville.

Stenis Cretica grows at Aspalaga on the river some hundred miles above this city only in a single locality. If I ever visit it again I will keep yew in mind.

Cones of P. inops var I think open ultimately and the seeds retain their vitality, probably, until they do. Some of them (or of some trees) open at maturity like other Pines.

I innocently sent the my article to the Gazette in order to record more recent discoveries in Southern botany & unwittingly head on Gray's eyes & the movement he pronounced "diabolical"! — chew! — can't help it now.

Ever Yours

A. W. Chapman

MISSOURI BOTANICAL GARDEN ENGELMANN HERBARIUM

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Rec April 15'
ans May 15
July 12

Apalachicola April 10. 1881

My dear Doctor

Do you feel good & kindly when this reaches you? If not throw it into the waste basket for I am about to try your good nature. But first a word about your work on Pinus for which I have long been indebted you. It is good praise to say that it just like you — careful, thorough, every little crack & cranny-hole fully peeped into. And then that plate of P. Elliottii! I never saw any thing to equal it — beats nature "all hollow". And now.!! A new edition of the S. Flora is first on the docket and you must help for you said you would long ago. The additions are all prepard ready to copy for the printer excepting some odds & ends

What is the name of the enclosed Euphorbia? I have which was found by Garber & myself at Cape Sable. — Any thing decided about

that species from Mts of Georgia?
Any thing more about that dipteles arcuata
Calopkila with characters sufficient to give
it a place. I have no works on Orchids &
Tillandsia to enable me to determine a
number of these from S Florida and must
get Watson to help me if he will & that
Liege man, whose name escapes me, but
who is getting up the Tillandsias
You know, I dare say, many plants that
come within my limits of which I have no
knowledge but I do not see how you are
to tell me. Perhaps I will make out a list
of them so far as I know them & send you for
any omissions that you may add.
I intend to go on to Cambridge in a month or
two & make arrangements. The additions will
be supplementary now, but I am resolved
to remodel the entire work before I quit
& then leave it to posterity. It has received
greater favor among botanists than I had
any reason to expect as I am satisfied

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I enclose, also, a marine grassy thing which covers the bottom in shallow water all along the coast from St Marks to Cedar Keys which I fished up in 1875 — only a fragment. Can't think of anything more just now, and remain Yours truly

A W Chapman

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GEORGE ENGELMANN

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BOTANICAL
GARDEN

Rec 16 Sept (from Empire & Canon!)

Dear Doctor

29th Aug. 1881

Ans 21 Sept

I send to day Rhizomas of S. polycephl. It grows from offsets but it makes a proper woodstock, But I mean to keep it a species whatever you may do with it. It is truly aquatic and the others are not, and then the long cirsiform leaves & patulous panicles with some floral differences. Curtiss in his Lists has Euphorb. polycephyle. Engelm. Is it published anywhere? and a Hypoxis leptocarpa, which I carried Gray out to see when he was here, if the same, and has always seemed to me a good sp. I go North next month but whether beyond Washington I am waiting to learn. Curtiss is trying to convince Sargent that P. inops-clausa is P. globra-clausa.

Address Empire City Col.

A. W. Chapman

POSTAL CARD

WRITE THE ADDRESS ON THIS SIDE. THE MESSAGE ON THE OTHER

EMPIRE

U.S. POSTAGE ONE CENT

Dr. George Engelmann

Empire City

Colorado. Ter.

St Louis Mo

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Ans Oct 17

Juncus polycephs. Root

Apalachicola Oct 10. 1881

My dear Doctor

Yours of the 27th ult came two days ago
I think I enclosed the Juncus roots in a
newspaper. Well what I didn't send I re-
member throwing out of the window and
looking carefully I found one of them which
I enclose. At the only locality I know of here
— in soft oozy mud covered with water — I got
all there was large enough, leaving on a rotten
log a few young ones without any rootstock
I send you this one and the sketch above
through fear that my remark about the
offset may have mislead you. The sketch
& the specimen show all there is of Rhizoma
the latter shows the offshoot just coming out. But your
sharp eyes will detect it

I think your Hypoxis a good species It grows
on the banks of our river here, is scarcely ever
more than 2-fl^{d} & has leaves ½ inch or more
wide but the flowers are small. There is still
another which I noticed in the Flora & which I
took Gray to see when he was here.

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By inquiry I found it a matter of doubt whether I could find all the information I required in Washington so I concluded to hold on until next summer and make a final finish of it — It is the nasty Orchids down in S. Florida that bother me most (good grammar you will say) and some twenty other things. Curtiss wrote me about Pinus clausa and the conclusion to which he had arrived but without stating his reasons

I don't think of anything more and only send this to correct any misapprehension about the Juncus if I have caused any

Truly Yours

A. W. Chapman

MISSOURI BOTANICAL GARDEN
SCIENCE ENGELMANN PAPERS

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Berlin, Nov. 10th 1881.

MISSOURI BOTANICAL GARDEN
ENGELMANN PAPERS

My dear Grandpa, I wrote you not long ago, & now shall write you again & send the letter to you in Rome, so you must be there by this time. My reason for writing you so soon again is that I want you to do me a favor. I am learning to speak German quite well, & associate a good deal with Germans. But I don't always meet the class that I would like to meet, i.e. the cultivated class, if there is such a class in Germany. It is not too late for you to write word to Dr. Englemann of St. Louis, & ask him for a letter of introduction to some botanist here, introducing me as your grand daughter &c &c. He doubtlessly corresponds with some good botanist here, & you might say in your letter to him that I am studying German here in Berlin, & want to associate with Germans so as to learn to speak the language. If he knows no botanist here, perhaps he knows some one else to whom he could give me a letter, for as he once lived here he must have some acquaintances. At any rate, please write to him at once, & ask him it is. Now,

Grandpa please do this immediately. Ask Dr. ...gelmann to send the letter of introduction ...on & you can then send it to me here ...is not too late, for I don't care to go into good German society until I learn better to speak the language. By the time your letter of introduction comes, I shall be able to converse quite well in that fair breaking language. By the time we meet again, I expect to astonish you by the way I roll out the long heavy German words. Every one tells me that the only way in which to learn to speak German, is to talk it all the time, & to go with the cultivated class of Germans, as they alone speak German as it shld be spoken. The weather here is simply horrid most of the time, with only now & then a clear day. This is so about all winter, but I imagine the weather is the same throughout Germany. So I would gain nothing by a change of residence.

To day is bright & clear, & reminds me very much of our weather in America. While you were having all your clear hot & dry weather, it was cool & pleasant in Paris, & I imagine it was the same here, altho' the summers in Berlin are much warmer than in Paris. & people here sometimes complain of the heat as we do in America. This letter I hope

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Rec Dec 19
A — 22

Apalachicola Dec 12. 1881

My dear Doctor

I enclose part of a letter from my granddaughter Katie, whom you once met at Gray's several years ago, and who has gone to Berlin to learn German. You see what she wants, and if you can help her in the matter it will be greatly appreciated by both of us, but you must use your discretion in this regard, for we well know that such attentions should be well considered, and we should not take it amiss if her request is not granted. She first went to some pension in Berlin which was recommended to her in Paris, but finding there more English than German, she changed her residence, and is now with two maiden sisters, daughters of a Prussian Officer, deceased, and in pleasant quarters. Her address is

" Miss Kate H. Wood.
94 Grossbeeren Str.
Bei Fräulein Baumgarten,
Berlin,
Prussia. "

(over)

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Encl
Lett
I have pretty nearly concluded to turn over the Flora and its future fortunes to a publisher in Jacksonville, this State. who is also a printer. This will save me expense (I am poor since the war) and I can give him the Mss at once, although I shall have to leave out several undetermined species. This I less regret because the additions will be in the form of a supplement but when this is off my hands I intend to remodel the whole work for a final edition ~~edition~~ At seventy two shall I last long enough!

I am glad the Juncus pleased you and that you consider it a good species, as I do.
The Euphorb. polygonifolia, of which I enquired in a former letter is my E. discoidalis, as Curtiss (who was here lately) confessed on seeing original specimens in my Herb.

I enclose Postage Stamps and with the compliments of the season, remain

Very Truly Yours

A. W. Chapman

MISSOURI BOTANICAL GARDEN
ENGELMANN HERBARIUM

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Rec'd March 23
Ans ——

March 17. 1882

My dear Doctor Engelmann

On looking over to day some old letters of poor Leavy I came across the foregoing account of a Pine, and thinking it might interest you copied it. He was an excellent scholar and were his habits more exemplary might have been a first class botanist.

I find that you are correct as to the year of the discovery of the Stachys. In my last account I guessed I was thinking of the time when I lived in Alabama, but I now remember I was on a visit to my wife's relations when I made the discovery — several years later. I would like to revisit that district again. The rocky walls which border the low grounds along the Chipola River afford several rare plants that I never saw elsewhere such as Isopyrum, Pachysandra, Cacalia divaricata, Stachys Floridana, (in the swamp) and some others. I enclose an aquatic plant which I found in the Caloosahatchee River in 1875 — without fl or fr. which Gray supposes may be a Callitriche. The structure of the leaves appears to be exogenous — I notice it provisionally as C. galicicola. I leave next week for Rome Georgia which will be my P O address until further order. While there I will hope to look again at that Isoetes and I think I once saw there Heuchera hispida of which I am doubtful. Dr Gattinger has sent me several additions to my list and is the right man in the right place.

Very truly Yours A H Chapman

(Over)

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Can you send me a copy of Engelmann's
in print in Cotton?

Does Mr. Engelmann's Cotton Silk Flax specimens
in print, if so could one be sent to Prof.
Asa Gray, Cambridge

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

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Rec'd July 12
Ans 12

Southampton, Mass July 10/82

My dear Doctor Engelmann.

I wonder if it not time to answer your letter of the 23d March 1882.!
The fact is I have been busy as a beaver over the Supplement while at Rome and at Washington and since I came here (my birth place) about a week ago I found it necessary to copy the original MS — 00 many changes and additions had been made both at Washington. I leave for Cambridge and the printers this week. I am indebted to you for a copy of your article on Insects with many thanks. What sort of a Castle have you inherited that leads you to tackle up the nasty things of botany — the Doddes, the Bull Rushes, the Oaks & Pines and these no-named Insects? Any how you have done your work well and all

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botanists cannot help feeling their
great obligation to you. I know nothing
at all of Isoetes and have borrowed
from you, as the Israelites did from the
Egyptians — that is stolen.

Dr Gattinger's Cyperus (C. Engelmanii) is
hardly yours, but I think nearer C. Mich-
auxianus, so near that for the present I
conclude to pass it by, until I can com-
pare the two more satisfactorily

As to Reay's names of Pinus Elliottii I
think you had best ignore them on ac-
count of the obscurity of the publication
and because he afterwards adhered to a differ
ent one from that published, but if it prov
d to be, as you suggest P. Cubensis all right.
I did not intend to distub you in any
way by copying Reay's letter.

As soon as the printers get out a copy
of the Supplement you will see what and
how I have done

Ever Yours Truly
A. W. Chapman.

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Rec Aug 3d

Southampton (Mass) Aug. 1st 1882

My dear Dr Engelmann

As well as I now remember, and from notes before me, I have in my MSS in Cambridge the following species of Euphorbia, namely: E. E. telrapora mercurialina, dictyosperma, Gaubei, serpens, prostrata, ammiarmicides, dentata, humistrata, & adenocarpa & ~~Cordobensis~~ Deltoidea ? is it? - that little thing, E. Blodgettii being E. inequalat. of the Flora is left out. Judging from your letter I gather that you have the impression that I am overhauling the whole Flora. This is an error. At present I am only adding a Supplement - not introducing any thing found in the first issue whatever there named, except in a few instances. After this is done & the work put on sale I shall commence a final edition in which I shall put everything in place & correct the numerous errors & blunders. Shall I live long enough for this? we shall see, or let me hope you may - I dont dislike Agave nor Yucca at present.

I came back to this lovely quiet place from hot & dusty Cambridge two days ago which

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explains this tardy reply. Gray was expecting you there at any moment and I did hope you would find me there if only long enough to clasp your hand once again. How pleasant to find the three veterans together - I am seventy three and have been under the impression of being the oldest, but Gray thinks I must yield to you.

Well I stay about here until the first of September and I may take my ticket at Boston & perhaps find you at Grays.

As soon as I get a copy of the Supplement I shall make it to you at St. Louis

Faithfully Yours

A. W. Chapman

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P.S. I am not quite certain that I answered yours of March 12th directo to Rome Ga but have an idea that I wrote you from Washington If not please excuse for my memory is a trifle mixt.

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R Febr 12th
A — 18

(1)

Apalachicola Feby. 6. 1883

My dear Doctor Engelman.

I wonder if I may so address you after such an interminable silence, but I will presume that Jan. I rec'd your favor of July 12th (ult) at Southampton and I believe answered it. Your next of the 26th I rec'd also, I believe, at S. Hampton, and never answered While at Grayo for two or three days we were looking for you to join us, for what reason I cant say. About the first Sept. I returned to Rome Ga for a week or so & then hastened to this place to look after my Jordpuntey which was wrecked by the gale of September, and the deuce would have it I had to beat through the most severe sickness I ever had. So amidst all this and reading proofs you have been neglected But enough of this. By this time I hope you have received the "Supplement" to the second edition. I made no changes in the first except corrections. Having the Euphorbias you mention in yours of the 26th I concluded not to bother you and arranged them as best I could. Pardon my use of the word "nasty" as applied to Isoetes. I know they are not nasty but they might as well be anything forbidding to all of us but you, for we (or at least I) know nothing about them,

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ENGELMANN PAPERS

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Well now, my first subject is about Pines. Last Sunday, being ~~the~~ ~~f~~almost the only sunny day we have had this winter I went to see P. inopi-clausa, and I think I have made a discovery about the opening of the cones. I notice that whenever a tree dies, the cones, closed for years, expand, and in regard to those trees which have them open, like other pines I apprehend there may be some arrest of vitality. Why is this? Pardon me if I make a suggestion rather poetic than scientific. The trees are comparatively short-lived and here nearly destroyed by high wind which prostrates them. Can the closed cone be a store house for the seed until they are required by the death of the parent. — "There's an opinion as is an opinion" — In one of your letters, years ago, you expressed a doubt about the blooming of this tree as early as February. I found the pollen all shed and the aments drippin at the least touch. — All authors speak of P. Taeda as growing along the coast or in the low country. In the Alts of Ga I found that & P. mitis to be the Pines of that region, the former predominating. The one I had in view (in Flora) as P. Taeda is your Elliottii which is everywhere here after P. australis is cut away. The only grape I found in S. Florida excepting V. bicycidus & V. indivisa was fragments of the one I enclose (my V. Carib.) found in Oct & no fl. nor fr. I enclose also a Euphorbia from the Alts of Georgia which I am inclined to think is a fully developed state of the

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one I found on Lookout Mt. in April and take to be Michaux's E mercurialium and apparently the same as the one you have from St. Mark's Fla. — Can it possibly be a state of E. corollata? These grew in the woods but I think I have seen it in open ground & with smaller leaves more like the latter.

Sam. I have said enough to weary you. I remain in this lonesome life until sometime in the Spring & then go up to Rome for the Summa

Very truly Yours

A. W. Chapman

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Rec'd May

Apa. Mar. 12. 1883

Dear Doctor. I don't believe a word of it. The largest vine I ever saw (V. estivalis) didn't measure more than a few inches in diameter. Those East Florida wonders are to be received with great caution
I duly rec'd yours of Feb. I don't know anything of Lemna & knowing of no one to whom to apply I left them out My attention has been called to the omission by others. But this edition is to be considered provisional or temporary until I remodel the whole as indicated in the preface
The Euphorbias I sent you grew side by side the pruni-cled one gathered later (Sept) E. corol. is extremely variable & I shouldn't wonder if it included this. My address until middle of April as above, afterwards at "Rome, Georgia"

A. W. Chapman

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